

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: rlahlum@juno.com (Ross J Lahlum)  
Subject: "Lahlum-FLR111 Ross" <ross\_lahlum@msmail.wes.mot.com>: FW: FS: Books  
Message-ID: <19961108.225533.10414.0.rlahlum@juno.com>

Gotta make room on the bookshelf!  
Radio & related books for sale:

Ghirardi, Modern Radio Servicing, 1st ed., 1935, Excellent cond.  
\$40.00

Langford-Smith, Radiotron Designer's Handbook, 3rd ed., 1941, VG cond.  
\$30.00 (note this is not the big red one, but the earlier, thinner  
black book)

Cooke, Mathematics for Electricians & Radiomen, 1st ed., 1942,  
Excellent cond., \$25.00

Protter, Calculus With Analytic Geometry, 1963, Excellent cond.,  
\$20.00

Terman, Fundamentals of Radio, 1st ed., 1938, Pretty good cond,  
withdrawn from library circulation so it has labels inside front cover &

Dewey Decimal number on spine, \$15.00

Prices do not include shipping

Ross Lahlum KB9JJR  
rlahlum@juno.com

----- End forwarded message -----

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: w4bld@juno.com (Robert B. Kerby)  
Subject: 2 Manuals left %1S1 Bro and RBJ-4(3?)  
Message-ID: <19961109.203624.5071.10.W4BLD@juno.com>

Gentlemen of BA fame - All manuals except the 51S1 brochure and the  
National RBJ-4 (3?) are gone. Thanks for your interest.

Robert B. Kerby - W4BLD  
Post Office Box 991  
Waynesboro, VA 22980 - w4bld@juno.com - (540) 942-4356  
I collect Morrow, Elmac and Gonset. I frequent the AM Swap Net on 3885

on Thurs  
at 1930 and 3865 nets on Wed and Sat at 2000. Try the DX-60 Net on 7290  
Sun at 1400!

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: n5off@w5ddl.aara.org  
Subject: 390(A) Freq Counters New  
Message-ID: <503809@w5ddl.aara.org>

I believe you can still buy the counters from the company who bought  
Veedor Root (can't recall the name right now).

The last cost I got was \$80. The VR part number is AX-75818-1.

Oops, that number may be incorrect. If it is, try this one,

A145100

One of those is right.

Call the company at 910-862-2511 and they will pull the part up  
on the computer.

Bonne Chance!

Tom N5OFF

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: franco spinella <spinella@pisa.infn.it>  
Subject: ARC44 ...  
Message-ID: <3284C772.7AC6@pisa.infn.it>

Hi to all,  
at the last ham fest in Gonzaga, one of the biggest in Italy,  
I've bought a surplus boatanchor rice-trans. It is a black  
aereonautics one, called RT294A/ARC44. It is complete of  
control box but unfortunately hasn't the cable to connect to the  
rig.

It looks in good conditions and paid only the italian  
corrispondence of 20 dollars.

But, as usually, I don't know how to make the cable and  
and how to give power. Ahhh the manuals are always my  
disperation ...

So if someone has any general information like  
the range of operative frequencies or maybe  
the schematics please let me know.

Thanks

Franco IW5DUM

--

-----  
Dr. Franco Spinella  
INFN, Italian Institute for Nuclear Physics  
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tel 0039586884901  
Email: spinella@pisa.infn.it  
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God is real unless declared integer ....

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: BEN NOCK <106312.1035@compuserve.com>  
Subject: ART-13 Wanted, still.  
Message-ID: <199611091548\_MC1-BD3-F073@compuserve.com>

Apparently, I am still looking for an ART-13 set. I would  
be interested in buying one, or swapping for it.

Amongst other things,  
I have a very nice, pre WWII RAF receiver,  
an R1116A, quite rare, now available for swap.

I have no control over the UK postage charges  
so they will have to be taken into account, but  
I am sure an agreement, with the right chap,  
can be accommodated.

If you have a set and you want to swap, then get in  
touch.

Ben G4BXD.

=====  
MILITARY WIRELESS IN THE MIDLANDS  
SETS BOUGHT RESTORED AND SWAPED  
=====

REAL RADIO STILL GLOWS IN THE DARK

READ PRACTICAL WIRELESS, CQ MAG, MV MAG,  
SHORT WAVE MAG, HAM RADIO TODAY, RADIO  
BYGONES

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Tony" <tony@bright.net>  
Subject: BAs To Go, Ft. Wayne Style  
Message-ID: <199611091534.KAA01392@brutus.bright.net>

Greetings, Firebottle Fans!

My dearly beloved and I have been blessed with another child, due to arrive in March. This means that some of my gear must leave to make room; a worthy sacrifice. Anyway, I'm attending the Fort Wayne, Indiana hamfest next Saturday, and I can bring any of these rigs along. Some of these are in various states of repair, so please send a note for details.

R390A by Adler Electronics (S/N 5, and the only one ID'ed to date)  
Hallicrafters SX-17  
National NC-173  
National RCQ, PS, and 10 coil sets  
Heathkit DX-100, some mods, no cabinet  
National NC-240D (bend in lower left of cabinet - thanks UPS!)  
RME 45-B and matching speaker

That's about it, and about all I can crap into my Escort wagon, anyway. Hope to hear from some of you, and maybe meet you in Fort Wayne.

73 de N8SNC,

Tony

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: BC-733  
Message-ID: <3284D9D3.58E1@ghgcorp.com>

Hi Folks, picked up a BC-733 receiver this morning at the Houston Vintage Radio Association Swap Meet. Very little BA action at all, would have been a total wash if the guy with the trailer full of surplus junk didn't show up. I love those trailers full of treasures treated like trash...

Took the covers off the BC-733, and saw six FT-243 crystals on 5xyz.abc

frequencies and thought, cool! It is an HF set! A quick trip to the mil schematic page indicates it is a Glide Slope Receiver, 108.3 to 110.3 MHz. Ugh, not so cool. Anyone know of any QST or other magazine projects to make the BC-733 into something cool that I can use?

Thanks and 73,  
Ben

--

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From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov	Fire.

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"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: berg stephen erik <z931086@corn.cso.niu.edu>  
Subject: Re: CE 100V Serial Nrs.  
Message-ID: <Pine.3.89.9611091934.A19140-0100000@corn.cso.niu.edu>

My 100V serial number is E-865.

Now, if I could just get it to work...

73,

Steve WA9JML (same old call)

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: CE-100V Questions and Report  
Message-ID: <3283FAB9.5E43@txdirect.net>

Bill Sorsby wrote:

>

> 3) My 100V has the rectifier tubes replaced by solid-state plug-ins. My  
> first thought was to reinstall the two 6AU4's and the 5U4. Upon reflection  
> I wonder how wise this would be though. Judging from the fact that CE put  
> in a mirrored heat shield between the rectifier tubes and filter capacitors  
> and also installed a fan on the power transformer it appears that the 100V  
> had a heat problem involving the rectifier tubes. Anybody on the list been  
> down this road before willing to offer suggestions?

>

There was a profound heat problem in the 100V caused by the rectifier tubes. The primary difference between it and the 200V was the use of solid state rectifiers and the elimination of the rectifier windings from the transformers. BTW the 200V had no more output than the 100V. The 100V took its model from the fact that it put out 100 watts of RF and the 200V referred to its 200 watts input. Although they used a later version of the original 6U8, 6EA8 tubes in the 200V, that and the rectifier changes were the only significant differences.

Bill K5LLK

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Ray L. Mote" <rmote@rain.org>  
Subject: CU-168/FRR multicoupler  
Message-ID: <Pine.SUN.3.95.961109151403.11659B-100000@coyote.rain.org>

Listmember Jim Carrington was kind enough to pick up a CU-168/FRR from Lowell Thomas for me, and passed it to Ralph Sanserino (Hollow State Newsletter) when they met in Stockton. Ralph just delivered it and it's actually still in the box, with manual, etc. Has single 70 ohm input and five 70 ohm outputs for receivers. The 70-ohm input is transformed to 1000 ohms for distribution inside the box, with another 70 ohm to 1000 ohm transformer reversed at the end of the line feeding a 70-ohm termination. Take the terminating resistor off and you can cascade a second CU-168!

The weird part is that each amplifier uses *\*four\** 12AU7 tubes, with the two sections of each tube *\*paralleled\**! Total tubes: 21 (20 12AU7 and the 5U4G rectifier). Why in the world would they opt to parallel the two halves of each tube? Certainly it can't be because they needed the power. More likely to keep the other half from screwing things up, so they used 'em both. At any rate, they sure knew how to maximize costs!

73.....Ray Mote, K5FKT <rmote@rain.org> Oxnard, CA ex-W6RIC

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: chas@nmaa.org (Charles Kadesch)  
Subject: Re: Differences in Tube Testers????  
Message-ID: <32843AA4.31A7@nmaa.org>

Is the Hickock 6000A "Micromho" a relative of the TV-7 series of testers?  
chas@nmaa.org

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Hal Waite <halwaite@sprintmail.com>  
Subject: Re: Differences in Tube Testers????  
Message-ID: <3285281A.575A@sprintmail.com>

Charles Kadesch wrote:

>  
> Is the Hickock 6000A "Micromho" a relative of the TV-7  
> series of testers?  
> chas@nmaa.org

Yes.

Hal K3AB

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Stanley Siegel <siegels@turing.law.nyu.edu>  
Subject: Re: Differences in Tube Testers???? -Reply  
Message-ID: <s284f65c.002@turing.law.nyu.edu>

Actually,, the basic circuitry of all of the Hickock mutual transconductance testers is essentially the same, and the principal differences are in costmetics, socketing, tube charts, etc. The TV-7 is a first-class general purpose tester, except that it ((usually) does not include sockets for nuvistors, and definitely doesn't include compactrons and the like. But it does test early tubes, including four-pin, five pin and even acorn types. The 600 (and its later version, the 6000) are similar, though the military construction of the TV-7 is to a higher standard.

And the venerable, expensive and highly desirable 539C is also similar, except that it has some very nice bells and whistles, including variable metered DC grid bias.

A collection of fine articles on these and other testers was written over the last two years by Alan Douglas in Antique Radio Classified. There are a few people (and I'm one, on a very small scale ) who consider these testers to be boatanchor collectibles on their own account.

73, Stan W2ST

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "James P. Rybak" <jrybak@mesa5.Mesa.Colorado.EDU>  
Subject: Differences in TV-7 Tube Testers????

Message-ID: <Pine.SV4.3.91.961108172101.583B-100000@mesa5.mesa.colorado.edu>

Can anyone tell me the differences in the TV-7 series of military tube testers?

Thanks.

Jim Rybak WOKSD

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: John Shriver <jas@shiva.com>  
Subject: Re: Differences in TV-7 Tube Testers????  
Message-ID: <199611090142.UAA09591@shiva-dev.shiva.com>

For the most part, they are mostly changes to improve maintainability. Things like using pots instead of selected resistors.

The TV-7D/U adds another transconductance range. For a few very high- $\mu$  tubes. Mostly un-cramps the meter scale, the book gives data with and without this F range. Not essential.

Also, the later models have more ferrite beads on the wiring to the tube sockets, to prevent them from becoming RF oscillators when testing high gain tubes like the 6DJ8. (You can tell when the meter pins and twitches.) These would be easy to retrofit.

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Joseph W. Pinner" <kc5ijd@net-connect.net>  
Subject: Re: Differences in TV-7 Tube Testers????  
Message-ID: <199611091330.HAA07183@dns1.net-connect.net>

>Can anyone tell me the differences in the TV-7 series of military tube  
>testers?

The last of the series, the D model, in its late issue also came with a number of adapters to check nuvistors, some planar tubes, and a number of other types not included in earlier sets.

73

Joseph W Pinner  
Lafayette, LA



KC5IJD

EMail: kc5ijd@net-connect.net

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: Stanley Siegel <siegels@turing.law.nyu.edu>

Subject: Differences in TV-7 Tube Testers???? -Reply

Message-ID: <s283a2bc.002@turing.law.nyu.edu>

There are minor differences in the series, ranging from the TV-7A/U to the D/U, including variations in the socketing (socket savers used in the last model), pin jacks, and meter appearance. Inside, minor circuit changes, the most important of which is use of ferrite beads in the later series. The D series also has an additional transconductance range. Otherwise, they are functionally identical and nearly identical in appearance. Any one of them, in good condition, is a superb tester.

73, Stan W2ST

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: FRANKK6NL@aol.com

Subject: Emission in oxide coated cathodes

Message-ID: <961108204603\_1483550627@emout10.mail.aol.com>

A related subject is what has been appearing lately on the list as "cathode degeneration"

Prior to about 1950 when you had a coated cathode type tube with low emission if you raised the heater voltage emission would improve substantially. If the heater voltage was lowered it became very much worse. A tube with good emission does not show this to the same degree.

The ordinary emission test is made with low voltage. However, it was discovered that under high field (read lotsa volts) pulsed emission tests these "low emission" tubes had every bit as good emission as the day they were born. This was traced to a barrier in the oxide coating which did not breakdown at low voltage. In turn it was determined that the barrier was created by trace amounts of silicon (yes, silicon !!) in the nickle material comprising the cathode sleeve which during the life of the tube migrated into the cathode oxide coating. Do not ask me how it was found out that the foreign material was silicon because the amount was so small that it defied even spectographic analysis

Not all nickle had this silicon problem. I emphasise this because one might get the impression that all tubes prior to 1950 might develop low emission

on life . But I do know that around 1950 all tube companies began approving all nickle lots intended for cathode sleeves . This was done by building diodes with cathode sleeves made from the nickel to be approved. These were run at elevated heater voltage with no space current for an extended period of time and checked for emission at the end of the period. I do not remember how long but suspect it was about 500 hours which was the magic number for "life tests" in those days.

The developement of this barrier where there is a problem in the nickle is most pronounced when there is no space current (this was the early tubed computer problem where tubes were in a off condition much of the time.) The effect is accelerated if the application is running at high heater voltages. But it is reduced if the heater voltage is on the low side.

This really brings up an interesting point. Cathode type tubes manufactured in the USA after 1950 should not have emission problems unless the cathode coating is defective or has been poisoned by gas which would show up on a tester anyway. Thus in the absence of gas (and I have more faith in gettering than has recently been expressed on the list) shorts or opens the only way you can kill a tube is to smash it. Now don't ask me about the Chinese and the Russians. I am sure they are familiar with the nickle problem but it would indeed be interesting to know whether or not they are doing anything about it. Only time will tell.

Frank K6NL

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Jack Harper <jharper@bs2000.com>  
Subject: Re: Engine Turning & Crystals, Japanese / Chinese  
Message-ID: <199611091940.MAA26736@lynx.csn.net>

At 11:53 11/8/96 -0600, you wrote:

>Ditto! Back around 1983 or '84, my father donated to the National Museum  
>of American History a crystal set that his father had built in a POW camp  
>in Germany during WWII. As far as we know, it has never been included in  
>any display. (Various units of the Smithsonian have put up (or planned to  
>put up) displays in recent years that could be construed as anti-American,  
>which makes this predicament doubly insulting.) It now seems that we  
>would've been better off if we'd "kept it in the family," so to speak...at  
>least somebody would get to look at it (don't know if it was in working  
>condition, but there's not a whole lot that can go wrong with a crystal

>set).

>

>---

>Scott Alfter

>salfter@accessnv.com

>

>

>

"could be construed as anti-American"...

Hell -- They WERE anti-American!

Regards to all.

Jack, KCOLR (Friend to all things Hammarlund)

-----  
Jack Harper Bank Systems 2000, Inc.  
e-mail: jharper@bs2000.com 350 Indiana Street, Suite 800  
voice: 303-277-1892 fax: 303-277-1785 Golden, Colorado 80401 USA

"21st Century Financial Applications"  
Optical Cards for Bank, EBT, and Medical Applications  
Visit our Web Page: <http://www.bs2000.com/talos> (Last Update: 960926)

1024-bit PGP crypto key with ID: 8FB07075 created 960728  
Fingerprint: 75 DA 06 35 F8 3D AC EC 3A F2 7C 59 A1 11 A5 74  
Key available from Public Key Servers and above Web Page  
-----

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: k1zat@dsport.com  
Subject: Estate Sale - W3ESI  
Message-ID: <Pine.GS0.3.95.961109121833.5312A-1000000@puff>

K3DRJ, AL7CV, and myself went to the estate sale for  
W3ESI (near LaPlata MD) ran by a local auction house.  
First got wind of it by an announcement of the auction  
in the local paper "...was an avid ham, lots of equipment".

BA's going back as much as 30-40 years,  
such as:

CYA52239 HF Transmitter  
Gen Radio Capacitance Measurement Set, Model 1610

TUBES, 810's, 4-65A, 7022, etc, some look brand new, no signs of having made contact to a tube socket.

National NC-200

Furst Electric 1210A Power Supplies

Polarad RX-T Microwave receiver

Kepeco power supplies 605

AN/USM-25

Hickok 640A Oscopoe

Gen Radio Signal Generator 605B

Two complete OA684/SRT Transmitter Groups (still on the shipping pallet, banded for shipping).

Teletype Model 15's, printer, TD's, cutters and tables

250 feet of commerical broadcast tower (not erected)

30 feet of ham tower (almost looked like rohn) erect

Shipboard intercomm sets

CY1526/URM47, complete

TS323 Freq Meter

HP491 traveling wave amplifier

Traveling Wave Tube Amplifier 732A

Two TT41/TXC1B Facsimile transceivers.

The list goes on, I ran out of paper. One piece of transistor equipment, a Ten-Tec speech processor.

The auctioneers were not having much luck getting a commanding price for anything in the estate; it looked it would be later this afternoon before they got to the basement where the BA's are. Nothing would have followed me home though (shucks, have to keep the peace). Fun time was had by all..

jd

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996

From: wb6zwc@ns.net

Subject: excellent response

Message-ID: <199611091657.IAA26072@tomcat.ns.net>

>testequipment@falls.igs.net WJ Ford Surplus

>pwdco@1eagle1.com Peter Dahl Co.

Guys: Pete has a new catalog out with some new things--transformers and transimtter stuff.

Ford Surplus bends over backwards to help in a parts search.

Both the organizations are great for hunting down burned or blown stuff, including tubes.

Richard@Sacramento

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996

From: rlahlum@juno.com (Ross J Lahlum)

Subject: FS: Books

Message-ID: <19961109.093248.11582.0.rlahlum@juno.com>

Gotta make some room on the bookshelf, so I'm reluctantly letting these go!

Radio & related books for sale:

Ghirardi, Modern Radio Servicing, 1st ed., 1935, Excellent cond.  
\$40.00

Langford-Smith, Radiotron Designer's Handbook, 3rd ed., 1941, VG cond.  
\$30.00 (note this is not the big red one, but the earlier, thinner black book)

Cooke, Mathematics for Electricians & Radiomen, 1st ed., 1942,  
Excellent cond., \$25.00

Protter, Calculus With Analytic Geometry, 1963, Excellent cond.,  
\$20.00

Prices do not include shipping

Ross KB9JJR

rlahlum@juno.com

Mt. Prospect, IL 60056

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996

From: "John E. Vercellino" <104204.2650@compuserve.com>

Subject: FS:QSTs fom '60s and '70s

Message-ID: <199611091122\_MC1-BDF-8A0B@compuserve.com>

I got some more old QSTs, and thought the BAs would be interested in them.

I'll sell them for

\$2.00 each PLUS SHIPPING (these babies are heavy). Their condition are generally good to

very good, except where noted. I found it interesting to see the influx of

Japanese rigs in the early  
'70s. Mid '70s there were virtually no US-manufactured radios advertised  
in the QSTs. Before then,  
there were dozens.

MAY 1958 - "12AX7 Modulator Unit Utilizing Printed Circuit  
Techniques", ads for KWM1,  
HT32, HQ160 (just introduced in 1958), CE 100V, DX100, 2 pages of  
EFJ ads

OCT 1958 - Technical Topics, "Do You Want an A.M. Linear?", ads for Harvey  
Wells, CE 100V,  
NC109, Morrow, B&W5100B, Heathkits, and Hallicrafters "SSB & VHF  
Contest Month!"

JUN 1959 (front cover missing) - Reviews of Hallicrafters SR34, HQ145,  
"Audio Compression  
with Transistors", ads for 30S1, TMC, Allied Radio, B&W LPA1  
linear, Gonset

JUL 1962 - "Plate Modulation for the 150-Watt", "The Pi-L Plate Circuit  
in Kilowatt Amplifiers"  
ads for SX-115, 32S-3, NC-303, The Amazing Hy-Tower (phased yet!)

DEC 1962 - A Two-Kilowatt P.E.P. Amplifier using the 3-1000Z, Looking at  
Phone Signals,  
Christmas message from Collins, other ads for infamous Trigger  
Electronics,  
Clegg, Sylvania (discussion of 6146 v. 6146A), RME, Gotham  
Verticals 2 page ad!

NOV 1963 - Handi-Talkie for 7 Mc., The Skew-Planar Wheel Antenna,  
Transistor Switches in  
Transmitter Keying, ads for SX117/HT44, Squires Sanders SS1R, SBE  
SB-33

DEC 1970 - Some Notes on the Design and Construction of Grounded-Grid  
Linear Amplifiers,  
ads for Yaesu FTdx560, Signal/One CX7, franchising Allied Radio  
Shack store, ETO  
Alpha 70 Linear, HW-101 "better than the Hot-Water 100...and a  
nickel cheaper"

MAY 1973 - Tranceive Operation for the Heath HX-10, Heat Losses in Power  
Transformers,  
ads for KWM-2, Ten-Tec Argonaut, Drake C-Line (R4C/T4XC), Henry  
2K-4 Linear

JUL 1973 - An 80-Meter Pebble Pulverizer (A Tube Man's QRP CW xcvr), ads for Heathkit "SB"

series, SWAN, and lots of Yaesu, Kenwood, ICOM, etc.

FEB 1974 - "Energy Crisis" (remember the energy crisis?), A Versatile Scope for the Radio

Amateur, ads for Hallicrafters FPM-300, SB102 & SB200, W1BDM's house for sale

with a half-page ad!

APR 1974 - A Four-Band Whopper (TX6DXX w/40m dipole), A Competition-Grade CW Rcvr,

ads for SR-400A, Swan SS-200, HAL, Kenwood TS-900

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: rlahlum@juno.com (Ross J Lahlum)

Subject: FW: FS: Sams Photofacts

Message-ID: <19961108.225533.10414.1.rlahlum@juno.com>

I have a 56 Sams Photofact folders ranging from folder # 191 (1953) to # 385 (1958) (plus an outlier, # 477 (1960)). Condition is good, although there may be a couple of items missing (I'd say 10-20 out of several hundred).

Would like to sell as a complete lot - \$100 or best offer, plus shipping.

Ross KB9JJR

rlahlum@juno.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: "David Meier" <N4MW@msn.com>

Subject: RE: Halicrafters T.O. Keyer

Message-ID: <UPMAIL06.199611091317420790@msn.com>

Bob:

I have one which looks and works just fine. I also have a Hammarlund HK-1 keyer. The T0 is larger and tube type where the HK-1 is small and solid state. I like the T0 is better, and it is easier to find as well. I paid \$40 for the T0 and \$50 for the HK-1 (they have been known to go for less, but are fairly rare).

Dave N4MW

N4MW@msn.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: Greg Carter <kx4r@atl.mindspring.com>  
Subject: Help: Alectra 11B  
Message-ID: <199611090521.AAA20474@itchy.mindspring.com>

Hello Gang !  
Would anyone out there happen to have a schematic  
for an Alectra 11B, DBM/DBA Audio Level Meter ???  
Any help will be greatly appreciated !  
Tnx,  
Greg KX4R

kx4r@mindspring.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: High Powered AM  
Message-ID: <3283FE6D.57C8@txdirect.net>

David L. Thompson wrote:

>  
> Gang,  
>  
> Over a month ago several of us were dis(cussing) Ultra modulation or as Don  
> Hoisington W4CJL called it high powered AM.  
>  
> I remember Fred Doughty W3PHL on 40 meters with his big signal and blasting  
> audio. Fred held the CQ WW Phone 40 meter record for many years (until the  
> Western stations started working hundreds of JA's on SSB). His record is  
> still remarkable as most ststions on the East Coast and Mid-West still only  
> reach his mark with SSB and bigggggg antennas.  
>  
> Fred wrote a two part article on "Modulation Unlimited" for the July and  
> August 1968 CQ. Actually  
> what he was doing was exactly what many Foreign Broadcast stations finally  
> adopted 10 years later...double sideband with reduced carrier. This was  
> you could be copied on both SSB (either) or AM. My HQ110/HC-10 or Drake R4A  
> copied him (probably without an antenna) over the 900 mile path between the  
> two of us. By then I was all SSB (young guys don't know any better) but  
> was impressed never-the -less. A technician at WLBT in Jackson, MS and  
> myself built up a small version using a pair of 807's that he used with a  
> Globe Chief. Unfortunatelly the "Chief" had a power transformer that was  
> lacking so after it smoked we moved to Harvey Wells T9. His 90 watts



> worked as well as most Globe Champs or Viking Valiants. He became a SK  
> three years ago and the modulator with built in PS sat in my basement until  
> I tried to use the A-54H on Classic Exchange Day. Everybody copied me OK,  
> but the A-54H audio was always thin even with a D-104 or Shure 444.  
>  
> I pulled out the li'l 40 pound chassis last week and seems it works after  
> replacing the rectifier and two caps. I have it hooked to the A-54H and  
> plan on giving it a stroll sometime this weekend.  
> In testing into my dummy load I found that the Heil BM-10 HC-4 was the  
> perfect mic...hey and I can run VOX or PTT. The Shure 444 now goes over to  
> the BW5100B (next project).  
>  
> The best non-W3PHL article was by Don Hoisington, W4CJL in the March 1970 CQ  
> starting on page 58. He uses the 4-400/4-250 in his circuit. This was  
> scaled back to the 807's (I wanted to use 6146's) as we could not afford the  
> parts and I did not want to modify my Henry 2K Serial #126  
> (That I still have and use on 12 and 10.)  
>  
> I looked up W3PHL and W4CJL in the FCC Database and W3PHL is still listed  
> in Valley Forge, PA. W4CJL is still listed but his license expired 30 Mar 1995.  
>  
> Have fun!  
>  
> Dave K4JRB

When stationed at Ft. Dix in the early 60s I visited Fred numerous times at his home high up on Valley Forge Mountain. His transmitter was a severely rebuilt Collins Navy unit with telephone dialup frequency control. With its home brew modulation xfmr and beautiful 450TL fire bottles, it was a sight to warm the cockles of your heart.

Not to rely on a powerhouse xmtr alone, Freds shack fed a V beam (half Rombic) with legs in access of 600 ft suspended over an abandoned gravel pit and he would blow into South Texas for afternoon chats with W5ZED on 40 meters four hours prior to any other station east of the Mississippi.

Most impressive though was his receiver setup, a Collins 75A1 with some internal modifications and a CE Sideband Slicer. One sunday afternoon he demonstrated its potential to me by tuning in a DL phone contest from Germany. He selected a particularly strong CW station that was thumping a 20 over 9 signal into Valley Forge and asked me if I could hear the phone station underneath. I couldn't. With a few adjustments of the crystal phasing on the A3 and the adjustable audio notch on the slicer he literally relagated the CW station to a barely persepible backgrond signal and brought a DL phone station up to 10 over 9. Then he called the guy with CW and worked him from the then American phone band above 7.2 MHz.

I haven't heard Fred in years and have often heard SSB station gripe about his working phantom stations, but I have been there , seen him and his highly innovative station and heard its results, both there and from as far away as Vietnam. He is, or was, a ham of the first order and the kind of genius that made all of what we now have possible.

Bill K5LLK

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "Gary E. Norman" <genorman@ix.netcom.com>  
Subject: Re: How Many 100V's & 200V's Were Made?  
Message-ID: <199611090134.RAA20821@dfw-ix9.ix.netcom.com>

>Anybody here willing to hazard a guess on how many 100V's and 200V's Central  
>Electronics made?

I talked with Wes Schaum on the phone about 10 years ago and he told me that about 1500 100V's were manufactured.

I have two 100V's: S/N's E51 and E357

E357 has 160m.

Gary Norman, AB1I  
genorman@ix.netcom.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: Michael Tallent <mtallent@concentric.net>  
Subject: Re: How Many 100V's & 200V's Were Made?  
Message-ID: <32842C1F.2C85@concentric.net>

Bill Sorsby wrote:

>  
> Greetings,  
>  
> Anybody here willing to hazard a guess on how many 100V's and 200V's Central  
> Electronics made? The CE update bulletins I've got go through the low  
> 800's. The 100V I've got carries serial number E 893. Would this be a high  
> serial number?

>  
> Regards,  
> Bill Sorsby, N5BU

>  
>  
Hello:

My CE200V is serial E 1488, its in very good looking condition, have not applied power yet.

73's  
Mike W6MXV

Michael Tallent

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "William B. Ross" <billross@txdirect.net>  
Subject: Re: How Many Eldico Twins Were Made?  
Message-ID: <3284EC5B.7A28@txdirect.net>

Bill Sorsby wrote:

>  
> Greetings,  
>  
> Anybody willing to hazard a guess on how many 119 systems Eldico made?  
> (R-104's and T-109's, the S-line clones) The units I've got carry low two  
> digit numbers. I've conversed with a number of people who've seen and used  
> the Eldico twins which implies that quite a few were made, albeit it  
> perhaps, almost exclusively for the government.  
>  
> Regards,  
> Bill Sorsby, N5BU  
>  
> P.S. Pardon my curiosity on such matters today. ;-)  
>  
> \*\*\*\*\*  
> bill.sorsby@dlep1.itg.ti.com  
> Views expressed herein are no one's fault but mine.  
> \*\*\*\*\*

As far as I know, the Eldico S-Line clones were never made for anyone  
othe that the U.S. Air Force

Bill K5LLK

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Re: How Many Eldico Twins Were Made?  
Message-ID: <19961109.232359.4407.20.k7yha@juno.com>

On Sat, 9 Nov 1996 14:42:17 -0600 (CST) "William B. Ross"  
<billross@txdirect.net> writes:

\*\*\*\*\*

>As far as I know, the Eldico S-Line clones were never made for anyone  
>other than the U.S. Air Force  
>  
> Bill K5LLK

Ditto. They were popular in USAF MARS stations in the mid-60s. Most were gone by the early 70s. I have never seen a set in a Giant Talk (SAC) station. The ONLY working set I ever saw belonged to CMS William A. (Bill) Wood, CT2AA (WA4MFC) at his off base quarters at Lajes Field, the Azores. Put side-by-side with a real S-line and there was no comparison....Art Collins' radios were far superior.

73 rich K7YHA (still....)

Collector of Classic American Radio-active Iron: Hallicrafters,  
Hammarlund, Johnson and Collins

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "David Meier" <N4MW@msn.com>  
Subject: RE: Lowering Crystal Frequency  
Message-ID: <UPMAIL06.199611090521200904@msn.com>

00PS!

I stated in a previous post that I recently lowered one FT-243 crystal 25 kc. After checking further, I in fact only lowered it 4 kc (starting from an 8404 crystal, not 8425). Andy is right, 5 kc seems about as far as is practical.

Dave N4MW  
N4MW@amsat.org

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: w4bld@juno.com (Robert B. Kerby)  
Subject: Manuals FS (LAST BATCH)  
Message-ID: <19961109.123234.5071.1.W4BLD@juno.com>

Gentlemen - These are the last of the books from an estate. If you need anything on this list, please e-mail me as to your wants and send the appropriate money once I confirm that what you want is still available.  
THANKS

COLLINS

51S1 Descriptive Specifications CDS-386 Dated 15 Oct 1960 (\$20.00 +

\$3.00 shipping)

#### HAMMARLUND

TM11-866 Covering BC-779A - B BC794A -B Receivers Power Supply Units  
RA-74-B -C RA-84-A -B and RA 94-A RADIO SETS SCR-244-A -B SCR704  
and AN/FRR-4 Dated February 1948 (\$25.00 + \$3.00 shipping)

#### NATIONAL

RAS-5 Radio Receiving Equipment (Navy Dept Book Dated January 7, 1943)  
(\$25.00 + \$3.00 shipping)

RBJ-4 (marked out 4 and 3 penciled in ??) (Navy Dept Book Dated  
October 1, 1942) (\$25.00 + \$3.00 shipping) (\$25.00 + \$3.00 shipping)

I am told that there may be some more not yet uncovered, but this is it  
as far as I know. Thanks for helping his wife.

Robert B. Kerby - W4BLD

Post Office Box 991

Waynesboro, VA 22980 - w4bld@juno.com - (540) 942-4356

I collect Morrow, Elmac and Gonset. I frequent the AM Swap Net on 3885  
on Thurs

at 1930 and 3865 nets on Wed and Sat at 2000. Try the DX-60 Net on 7290  
Sun at 1400!

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996

From: billo@nti.net (Bill Wilson)

Subject: McMurdo Silver 701 info needed...

Message-ID: <19961110013925358.AAA94@LOCALNAME>

I just picked up an old McMurdo Silver transmitter model 701 at the  
Montgomery, Al. hamfest. Does anyone else on the list have one? I would  
like to find a schematic and any other info. According to Rippen's book the  
transmitter was made in 1947. It has one set of coils with it and a 20  
meter crystal installed.

Other items at the hamfest spotted was a nice winged S-line for \$450 (sold)  
Doggy looking Hammarlund 170A (\$?)  
Hallicrafters HT-37 and smaller Heath sets  
Various command sets ranging from \$10-\$25  
The usual assortment of older test gear, mics and junk

Some other items that followed me back; Nice collection of older QST's  
(46,47,48,49,57,58) they were priced at .50 each. Siltronix VFO \$5- I

picked this up because I read a post on the list about two weeks ago how someone used the reduction drive on the Collins A line, I hope I can remember which digest that was! I bought a wooden case that I thought the SX-73 would fit in; it does but the rear of the radio sticks out the back a few inches. Old NIB Hammarlund plug-in coils that would fit in the Comet Pro @ .25 each.

There was not that much in the older gear at this fest but did have a nice time and the weather was great.

Regards,

Bill

AC4LC (soon to be ??)

Jacksonville, Al.

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: don merz <71333.144@CompuServe.COM>  
Subject: Mis-Guided Donations  
Message-ID: <961109234448\_71333.144\_DHB42-4@CompuServe.COM>

Speaking of mis-guided donations to the Smithsonian, has anyone ever seen hide or hair of Gordon White's command set collection?

According to Gordon, the entire thing was donated to them a few years ago-- probably the premier command set collection in the US if not in the world.

I don't think a single piece of it has ever been displayed or used for aircraft restorations (which I think is what Gordon thought he was supporting).

Ay carumba!

73, Don

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Pete McCollum 09-Nov-1996 1225 -0700 <mccollum@ssdevo.ENET.dec.com>  
Subject: need help with T-23/ARC-5 on 6M  
Message-ID: <9611091924.AA17119@us3rmc.pa.dec.com>

Hi gang,

I need help/advice with a project. I am trying to re-tune a T-23/ARC-5 xmtr for 6M. It is designed to do 100-156 mhz, on 4 channels. It has rotating turrets that change the coils in 5 different tank circuits. The tube lineup is: 1625 osc/doubler, 1625 tripler, 832A tripler/driver, and 832A final.

Here's what's happening so far:

- I am trying not to modify anything except the coils on channel A.
- The xmtr works great on channel D, tuned to a 2M freq (no mods).
- Channel A has an 8.400 xtal for 50.4 out. The idea is to run the first two stages normally (doubler and tripler), then change the tripler/driver to a non-multiplier stage on 50.4, and also change the final to run 50.4.
- I added 20pf to the driver plate tank, and also to the final plate tank.
- Everything tunes up normally (I think) except for the final. It does seem to peak on 50.4, but the output is only a fraction of a watt, and the final's plates glow a dull red. On 2M, it puts out 6 or 8 watts, and there are no glowing plates.

There are monitoring points built into the xmtr, for measuring things like grid current and cathode current (on the final), but I'm not sure if I know what to look for. BTW, I'm running 500V on the plates, and 250V on the screens - I think those are normal levels (?).

- I also added a couple of turns to the output coupling link, hoping for a better match. On 2M (channel D), the antenna tuning cap has a fairly sharp peak at a certain spot. On my modified channel A, the output increases slightly at max-C, but there is no real peak. So, I'm wondering if my output-link tank is way off. It's currently about 2 3/4 turns, about 1" diameter, and the series-C is about a 15pf variable. For 2M, the output link is just 3/4 turn (with the same C).
- One interesting thing about the design of the T-23 is that it has no actual capacitors in any of the tank circuits (except the output link). It uses stray-C and tube electrode C for everything. The coils all have adjustable slugs in them.

So, any advice on how to proceed would be appreciated.  
Has anyone seen a conversion article that covers this?

Thanks,  
Pete  
mccollum@ssdevo.enet.dec.com

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Dave Kelley" <aa7tq@primenet.com>  
Subject: Need:manuals for Heath SG-8 and Eico 717 Keyer  
Message-ID: <199611091958.MAA00594@primenet.com>

I have a buddy with a SG-8 signal generator who needs a copy of a manual. And I have a brand new (no kidding!) Eico 717 Keyer (6 tubes) that is in absolute perfect shape, but it didn't have a manual.

Anyone help? Of course we'll pay for copies and shipping.

Thanks

Dave  
AI7R (ex-AA7TQ & WA7GPF)

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Dave Hutchison <djhutch@concentric.net>  
Subject: R-4,T-4 wanted  
Message-ID: <32850DDC.6017@concentric.net>

Hello folks!

I am once again looking for a Drake R-4 receiver and T-4 transmitter. I had an R-4 nibbling on my BA fishin' line last week but the seller changed his mind (sigh...).

Any help would be appreciated in finding one or both of these pieces.  
Thank you for your help!

73's

Dave Hutchison KW9U

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: k0az@i1.net (MIKE SANDERS)  
Subject: Re: Ranger mate  
Message-ID: <199611090505.XAA20206@mail1.i1.net>

Greetings All, I have a beautiful old Ranger I have had for about 8 or so years now. I had it mated up with several differant receivers at first but finally paired it with a very nice HQ110C. The thing about this station is that it has survived unchanged for several years while I have moved tons of gear in and out of the room here. The Ranger and 110 stay the same. I use this pair for 10 meter AM only and they get a lot of off time of course. As someone else stated about keeping a photo shoot simple I realized that was the key to the Ranger HQ110 combo here. I have an old desk that belonged to my Grandmother. On it is the Ranger, the HQ110, the S100 speaker, the entire series of ARRL publications including handbook from 1957. JT 30 mike and J38 key is all that is there. It just looks right. It must be as it has lasted so long untouched. Oops, I forgot I have a little Ameco nuvistor preamp on the 110 next to a Tymeter 24 hour clock.

Other possibilities for the Ranger mate are the NC300 and the HQ150. I have used them both with the Ranger and they also seem to fit very well. But the HQ110 is the real mate here.

73, K0AZ



P.S. I had used the automotive touch up maroon on a few spots on the Ranger a long time ago. It was not an exact match. Age however has changed the touch up and I cannot myself tell where I did it! Also don't try to auto wax one of these Johnsons. You will be forever with the pipe cleaners getting all the white out of the little holes. I have used a panel spray wax on most of my old stuff. Sometimes it takes a few applications. It will put some oil on the paint that eventually will be absorbed and the overall appearance will be much better and closer to new original. These babies were not high gloss out of the factory so you should not try to make them so now. I use a product called Weimans Panel Bright. Works great on black wrinkle too. I spray it all over the unit and rub it in with my bare hand. Then I lightly remove all the excess with a cloth and let the rest soak in. You will wipe dust off the unit regularly for a while as the stuff will really pick it up. But after a while it will settle down. Patience is one of my best tools when it comes to making a BA look good. My Ranger cost 40 bux and looked like hell when I bought it. You couldnt get it for 400 today. BTW I have several differant size paint brushes that are used to dust the BAs with. It works for me.

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: radionostalgia@serv2.fwi.com (Jack C. Shutt)  
Subject: RME-45 knobs  
Message-ID: <199611091337.IAA02856@serv2.fwi.com>

Hello heavy metal fans:

Does anyone have a couple of the long pointer knobs for the RME-45? I'm looking for the two original long bar knobs that were used on the standby and bandswitch controls. They are ugly and a lot of people changed them out for the better looking fluted type knobs that were on the other controls. Anyway, I want to resore my RME-45 to its original state so need a couple.

Thanks and 73,

Jack, N9GT

\*\*\*\*\*  
\*\*\*\*\*

Jack C. Shutt, N9GT  
radionostalgia@mail.fwi.com  
(219)493-3901

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: pmills@A.crl.com (Phil Mills)  
Subject: rtty and KWS-1??  
Message-ID: <199611100118.AA16226@A.crl.com>

I'm currently restoring a KWS-1 that has had the PTO modified for FSK.  
Can anyone tell me if (and when) there was a QST, CQ, 73, or other  
magazine article describing this modification? Better yet, can anyone  
send me any info on the mod?

thanks & 73,  
Phil

.  
Phil Mills, AB5TH                      \*\*\*\*\*    Wanted ---    1957 ARRL Handbook    \*\*\*\*\*  
pmills@a.crl.com  
713-992-5762  
Friendswood, TX            (south of Houston)

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "Allan Fritsche" <fritsche@msn.com>  
Subject: S-200 Hammurand Speaker  
Message-ID: <UPMAIL03.199611090120270618@msn.com>

Gang, anyone got one of the above for sale, Bad condition doesn't matter,  
i.e. Speaker gone, etc. Willing to pay 25 and shipping.

Your Friend Al  
fritsche@msn.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: Jack Ray <k4mzw@akorn.net>  
Subject: Shack Sale...  
Message-ID: <32840E75.554B@akorn.net>

Hi Gang

Thanks to all who replied and to those who have carted off the stuff  
thanks for helping me make room.

Still left:

Hammarlund HQ-110C/Speaker            \$135.00

Hallicrafters S-82 Civic Patrol \$ 55.00  
Fluke 833A ac/dc Voltmeters \$ 7.00

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: DArney@gnn.com (Dan Arney)  
Subject: Ski pack radio  
Message-ID: <199611100053.TAA08181@mail-e2b.gnn.com>

Well gang I thought this was a field type telephone until I removed the back panel. It was in a light tan canvas bag with zippers. The leather strap is 1" wide and has a price tag on it that says Ski Pack Radio save. The unit is painted OD wrinkle finish and is in like new condition. The tube line up is as follows Top deck has a 1Fw-1A6 plus 2 tubes coke shaped fully enclosed with plate caps and a ground braid soldered together with a loop going onto a pin near the socket so it slips over it when they are plugged in. 2 cans say Miller Ironcore 612c#2. The mid deck has 3 # 30 and a 19 tube with an elevated socket 5 pin tube missing. The battery compt. has wires tagged with 135B+-67.5B+-&+3V -4.5V -1.5V.

There are not any markings or ID's anywhere. The unit is 12wx6.75 D  
ans 18.5H full panel on back and 2/3rd hinged panel on front with 2  
snap fasteners. has a built in mike xmit/rec lever sw. Phone jack

Anyone have any info on this unit?  
Thanks  
Hank KN6DI

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Integration Area <integrat@usr.com>  
Subject: So Long for a while...  
Message-ID: <2838DDF0.3000@usr.com>

I will be unsubscribing for a month or so as I move to my new job.  
Please do not send anything more to <integrat@usr.com>, as I do not know  
who will have their noses in the account.

When I get all settled in, I will rejoin the group with my new email  
address, so I can ask more dumb questions.

William Donzelli  
?@?..?

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "Benjamin D. Hall" <bdhall@ghgcorp.com>  
Subject: Re: Source for nylon inserts for rack washers?  
Message-ID: <3283E3D6.229@ghgcorp.com>

Bill Sorsby wrote:

>Started thinking about mounting R-390A's in rack, looked for source of  
>the cup washers with the nylon inserts.

I looked around Home Cheapo and Builder's Squared and couldn't find anything suitable. But, I did find something good at the small hardware store! Cannot remember what they are called, but they are little steel washers bonded to a rubber washer. They are used in steel girder construction with sheet metal screws to attach sheet metal siding to the steel girders and make a seal at the same time. My rack uses 10-32 bolts, and I found the #12 size perfect. Your mileage may vary. No more scratches!

73,  
Ben

--

---

From the computer of	Collector of fine firebottle
Benjamin D. Hall, Houston Texas	equipment, as well as other things
BDHall@GHGCorp.com -or-	involving Earth, Air, Water, and
BHall@GP802.JSC.NASA.gov	Fire.

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"When you clock the human race with the stopwatch of history, it's a new record every time."

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: bgraham@tecnet1.jcte.jcs.mil  
Subject: Subject: Trip to Fair Radio Sales  
Message-ID: <199611091110.GAA22604@tecnet1.jcte.jcs.mil>

Subject: Trip to Fair radio Sales

I visited Fair Radio Sales yesterday (8 Nov 96) and discovered that they currently have a few ham BAs in stock. Conversation revealed that they often have a few and they are only a phonecall away.

BAs that I noticed include

Heath DX-60 (didn't notice if it was \_a or b) missing knobs and ?  
Heath HW16 looked ok, think it was missing a knob  
Heath HW16 in late Heath brown color scheme, no main tune knob,  
one obvious mod (new switch on fp labelled "ssb/cw")  
don't know if brown color scheme is factory.  
Heath HR-54 cover was on backwards but looked ok  
Halli SX-98 looked ok but cosmetically worn  
Heath HW-12(?) 80 mono bander no ps looked good  
Hammarlund HQ105T (hq100 with cb xmitter) look vg  
hammarlund SP600 looked like a parts unit  
couple of R390()s in various states  
Collins R388 with cabinet looked VG  
R392 looked VG

They had several command xmtr and rcvs, didn't notice  
which as well as seveal parts units.

of course, tons of other military junk and test equip, etc.

Was certainly worth the trip and the folks were very pleasant.

Bill  
N5LMX/DA1wg  
bgraham@tecent1.jcte.jcs.mil

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: SX-117 VFO Problem  
Message-ID: <19961109.194532.4407.3.k7yha@juno.com>

Gang:

Ran the SX-117 all night and all day today (so far) and the problem with  
the dead spot near the high end of the tuning range is apparently  
solved. I guess the 6AU6 was the problem...this was NOT the 6-6.5 Mc  
oscillator, as previously reported, but the 6-6.5 Mc IF.

In addition to running the SX-117 all evening, I pulled the cabinet and  
front panel and knobs off, completely cleaned same starting with dish  
pan detergent and then going on to Simple Green. Washed everything well  
in clear water. Waxed the cabinet and front panel, but left the knobs  
along as they were shinny without any extra work.

All back together now and it looks B-E-A-U-T-I-F-U-L!. It sounds GREAT!  
Tuning around both 40 & 80 meters has been a delightful experience. The  
sensitivity seems to be very good (haven't checked it yet, but will in the

upcoming weeks) and the selectivity with out the use of mechanical or xtal filters is truly amazing. I've been waddeling around near the QRP freqs (7040/7030) on 40 meters enjoying the nice 500 cps filter and the movable notch. Mr. Halligan certainly knew how to design radio gear! I have a matching HT-44 coming about the end of the month and can hardly wait to get the pair on the air.

Thanks to all who responded with ideas and troubleshooting leads and info. It certainly helps to have the BA and Halli list user available at times like these.

73 rich K7YHA (still....)

Collector of Classic American Radio-active Iron: Hallicrafters, Hammarlund, Johnson, and Collins.

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: n6nae@ix.netcom.com (Richard Humphrey)  
Subject: Those tough BC-348s  
Message-ID: <199611090443.UAA07563@dfw-ix4.ix.netcom.com>

Hi fellow boatnics:

About four years ago I picked up a BC-348 'fixer' at Foothill. I've finally completed the revival and I'm impressed at how tough these sets are. Consider this:

This radio made it through the war without a scratch. OK, it probably spent its enlistment in a crate in a depot in New Jersey, but it could have seen action.

Then it gets discharged and lands in a ham shack where flak from a ham anti-aircraft-radio soldering gun rips through it and leaves it with painful disabilities. Even with life-threatening injuries, this -348 returned fire. The HB AC supply that replaced the dynamotor had a nasty line to chassis short and it may have finished off its attacker.

Disabled, ugly and unwanted, it got shuttled from one veterans home to another until it landed in my Radio Wreck Room. There massive reconstructive surgery removed the worst of the foreign bodies and some semblance of a normal life was restored.

This set is amazing. The AC supply in it was an awful kludge, assembled with a plumbers torch. Why it didn't go up in flames I don't know. I tore it out and junked it. I spent a long time finding the right combination of transformer, rectifier and filter configuration that would fit in the space and give the same 227 volts that the dyno put out.

I replaced all the black plastic caps: of the fifteen that were left in the set, all showed leakage on an ohmmeter. The best was 10 megs, the worst 850 ohms. It worked with the old caps! Now with the new ones, signals are clean, the noise level has dropped considerably and the mysterious static crashes have vanished. I thought I had serious power line problems in my neighborhood. It was the darn caps frying and popping and arcing.

The one bug I haven't fixed yet is the antenna coil for band 3. Something happened to make it run hot for a very long time. How hot? The varnish is burned off the wire. The mounting bracket is blackened. The phenolic coil form is bubbled on the inside. The wax is melted out of the neighboring coil. And the set still works fine. I'm impressed.

Next spring when things warm up, I'll paint the case. I'd also like to paint the front panel, but I can't get the band switch knob off because the setscrews are rusted. I may have to drill them out, or just live with it. The paint isn't that bad. And I'd hate to lose the red Signal Corps stamp. (Has anyone thought of making and selling duplicates of these stamps?) Can anybody spare me the top and bottom covers for the oscillator compartment?

Anyway, the repairs have been more or less completed in time for Veterans Day, so this set goes into the house in a prominent spot.  
Richard

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: "Barry L. Ornitz" <u856010@eastman.com>  
Subject: Re: Tubes with Cathode Interface  
Message-ID: <Pine.ULT.3.91.961108194102.4737B-1000000@dua150.kpt.emn.com>

It is relatively trivial to simulate cathode interface in a tube.

Disconnect the cathode lead and insert a parallel combination of a resistor and capacitor in series between the lead and the cathode. As a starting point, I would suggest a resistance of about 5 ohms and a capacitance of 0.005 uF. At 1 MHz, the effect is like adding about 4.8 ohms impedance, but at 100 MHz the effect is like adding only about a third ohm impedance.

The result is that the tube has added impedance at low frequencies and that its gain is no longer relatively constant with frequency. This is why cathode interface is a pain to oscilloscope amplifiers but virtually never a problem to receivers or transmitters that operate over a tiny range of frequencies (at any given time). Thus your receiver may lost a little sensitivity on the lower frequencies but this is hardly noticed.

The best discussion I have seen on cathode interface is in Slater's "Advances in Electron Tube Techniques - Vol. 2" where circuits for cathode interface measurements are discussed.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: k7yha@juno.com (Richard H. Arland)  
Subject: Weird SX-117 VFO Problem  
Message-ID: <19961109.011534.4407.2.k7yha@juno.com>

Gang:

Many, many thanks to all who responded about the VFO problem on my new SX-117.

I had already checked the main tuning capacitor and it was not rubbing plates together anywhere along its tuning range.

I took all the tubes out and checked them. The only one that was suspect was a 6BA6 that is used as 6.0 to 6.5 MC oscillator. It had high leakage and was replaced with a new tube. This seemed to take care of the drop out problem on the VFO's tuning range at the high end of the band. I am being cautious, as I didn't think that merely subbing a tube would cure the problem....I was (and still am) ready to delve into the VFO circuitry in search of a cold solder joint or bad cap.

Interestingly, the calibrate control (a small trimmer cap across the entire VFO tank ckt, does not adjust. It seems to be physically disconnected (more on this after I pull the case and make a visual inspection). In any case, this might be a potential cause of the problem. Especially if it is adjusted to where it might possibly cause the VFO to suddenly stop oscillating (suggested by about 4 BAers) as the main tuning cap is run through it's full range.

Anyway, to make a long story short, thanks to all who responded...you guys gave me a very good pool of information and some good leads to start troubleshooting. (God, I love this list!)

73 es more to follow.

rich K7YHA (still....)

Back to "The Good Old Days", where men were men and radios glowed in the dark!



From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: Cal Eustaquio N6KYR <ceustaqu@dot.w6bhz.calpoly.edu>  
Subject: Which receiver w/ my RangerII?  
Message-ID: <Pine.SUN.3.91.961108173414.12653A-100000@dot.w6bhz.calpoly.edu>

Gang:

I was considering making a photo of my BA station but I want a picture that reeks of that classic aura. In fact, I may end up making a poster out of it! I'm having to choose (as a mate) between a 75-S3, SX-100, 75-A4, and R-388. Accessories will probably the James Millen tuner and Hallicrafters T0-keyer/Vibroplex Paddle and J-37 key. Mic will probably a D-104 Silver Eagle. Any suggestion on the rx? Lemme know. Cal.

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: w2ec@VNET.IBM.COM  
Subject: RE: Which receiver w/ my RangerII?  
Message-ID: <199611090334.VAA05518@uro.theporch.com>

>I was considering making a photo of my BA station but I want a picture  
>that reeks of that classic aura. In fact, I may end up making a poster  
>out of it! I'm having to choose (as a mate) between a 75-S3, SX-100,  
>75-A4, and R-388. Accessories will probably the James Millen tuner and  
>Hallicrafters T0-keyer/Vibroplex Paddle and J-37 key. Mic will probably  
>a D-104 Silver Eagle. Any suggestion on the rx? Lemme know. Cal.

While the Collins gear is great, I always considered the Ranger a mid-level entry transmitter into ham radio and to my way of thinking would be better matched with the Hallicrafters SX-100. The Collins gear was a little more towards the high end level. Just one "OT's" opinion. Never saw many 75A4's matched with Rangers (did see them matched with Valiants and 500's) but saw lot's of Rangers matched with Halli, National and Hammerlunds in the late 50's early 60's. 75S-3? No way! If you could afford a 75S-3 you usually had the 32S-3 to go with it. Again, one persons opinion.

What I believe was the norm in that era is that most hams (not all of course) couldn't afford much in the way of store bought gear and didn't have a shack full of equipment like we seem to have nowadays. Sure, we had lots of gear, but most of the excess was homebrew. While I had several receivers and transmitters, I had only one store bought receiver (Hallicrafters SX-110, still have it) and two store bought transmitters (Heath AT-1 and Valiant, still have both). All the other rigs scattered around the shack were home brew. To make a picture with a true "classic aura", keep the other ham gear out of the picture. Make it simple. Key and mike. The keyer and Vibroplex would be out of tune with the period. Now if you had a Vibroplex bug, that would be appropriate. Commercial tuners were a real luxury. Again, keep it simple,

don't clutter it up. Good luck and let us see it on the net when your done!

73, Ray W2EC w2ec@vnet.ibm.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: scotgray <scotgray@cwnet.com>

Subject: Re: Which receiver w/ my RangerII?

Message-ID: <328406D6.5B76@cwnet.com>

Cal Eustaquio N6KYR wrote:

>

> Gang:

> I was considering making a photo of my BA station but I want a picture  
> that reeks of that classic aura. In fact, I may end up making a poster  
> out of it! I'm having to choose (as a mate) between a 75-S3, SX-100,  
> 75-A4, and R-388. Accessories will probably the James Millen tuner and  
> Hallicrafters T0-keyer/Vibroplex Paddle and J-37 key. Mic will probably  
> a D-104 Silver Eagle. Any suggestion on the rx? Lemme know. Cal.

Once saw a picture of the 75A4 and a Johnson Ranger station. Belonged to  
some rich kid in the early sixties who made DXCC with that station. I'm  
sure he did it using crystals (as VFO's were forbidden fruit for the  
lowly

novice of that era and your ticket lasted only one year). But with that  
kind of station (\$) I'm sure he had a sparkly new PR brand FT-243 every  
0.5Kcs

for each novice band.....

I'd go for the 75S3 and the Ranger II, I'm sure his younger brother  
would

have settled for nothing less.

Just radio envy....

Scott KD6CQ

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996

From: Don Reaves <dr@cei.net>

Subject: RE: Which receiver w/ my RangerII?

Message-ID: <Pine.LNX.3.91.961108235436.16037B-1000000@kc5jh.reaves.net>

> towards the high end level. Just one "OT's" opinion. Never saw many  
> 75A4's matched with Rangers (did see them matched with Valiants and 500's)

> but saw lot's of Rangers matched with Halli, National and Hammerlunds in the  
> late 50's early 60's. 75S-3? No way! If you could afford a 75S-3 you usually

1960. My mentor, Ralph, W5LHN, algebra teacher, CW man, and stern high school principal, had a 75A4 and a Ranger. I admired that station. And stayed out of trouble, too. 36 years later, I finally get a 75A4 (Thanks, Phil) to go with my Ranger. Still an admirable station.

Thanks for the nostalgia jog.

73

---

Don Reaves WA5BBS dr@cei.net  
46 Arbor Oaks Drive  
N. Little Rock, AR 72120

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: John Shriver <jas@shiva.com>  
Subject: Re: WTB Capacitance Tester and Share info on  
Message-ID: <199611090129.UAA08731@shiva-dev.shiva.com>

I would also consider the GenRad 1617-A Capacitance Bridge. Measures capacitance from 1 pF to 1.1 F, measures dissipation factor, measures leakage current, has an internal 120 Hz generator, and internal 0-600 V bias for leakage measurements.

I've seen them around at fleas in the area. Around \$100, maybe somewhat more. Was \$1325 new in 1970, so that's a nice discount!

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: Rob Frans <fransr@iserv.net>  
Subject: WTB: HD-1410  
Message-ID: <3284C686.23@iserv.net>

I am in the process of rounding out my "all Heathkit" shack, and am looking for a Heathkit keyer... HD-1410, in excellent condition... Anyone out there care to part with one?

Thanks!

Rob Frans  
Grand Rapids

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996

From: Mike Sewell <75143.2737@CompuServe.COM>  
Subject: WTB: James Millen hf rf amp, model 90811  
Message-ID: <961110025143\_75143.2737\_IHV39-1@CompuServe.COM>

HAVE: A box of 829Bs.  
NEED: An amp to put them in.

WANTED: James Millen hf rf amplifier model 90811 (or similar)

This unit is circa 50's, uses a single 829B, has plug-in coils, and covers 20m through 2m. I want to run more power on 2m FM and, in keeping with the BA/FB technology, am looking for this amp or something similar. The main idea is to use 829Bs on 2 meters. Ya, I know there are plans for a home-brew 2m amp like this in the 50's Handbook, but, I've decided I don't want to home-brew if I don't have to. QRU??

73, Mike K 0 Collects Radios eXclusively

From boatanchors@theporch.com Sat Nov 9 20:58:33 1996  
From: "Mike O'Brien" <mobrien@lib.drury.edu>  
Subject: WTB: Old microphone  
Message-ID: <Pine.3.87.9611091858.A30752-0100000@lib.drury.edu>

Still looking for a microphone from the late 1930s or 1940s, similar in style to the upright "candlestick" telephones of the day...

73, Mike K0MYW  
mobrien@lib.drury.edu

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: George Humphrey <gah@koyote.com>  
Subject: WTB: Power Supply for 51S  
Message-ID: <199611090213.UAA25150@mail.koyote.com>

BAers,

I have to do good on this one. The boss has a 51S and desires a 120VAC power supply. Can anyone help as to expected price and source?

Thanks, George  
73 KC5WBV

gah@koyote.com

From boatanchors@theporch.com Sat Nov 9 07:49:03 1996  
From: Richard Hager <rhager@millcomm.com>  
Subject: Re: WTB: R-390A digital counters  
Message-ID: <3283BB7E.514D@millcomm.com>

BRIDGERS@gonzo.ccl.org wrote:

> If I can get an unbent shaft, I believe I'll be able to fix the counter,  
> and in the process I'll fashion a small pin to insert into the collar.  
>  
> One correction to the above. They also took the hammer to the  
> KC shaft and bent it by almost 1/4 inch out of round.  
> For example, could I just take this to a metal working company, or just what  
type of company could  
> repair a precision part like that?--

Tom,

Any competent machinist could repair or replace those shafts for you. I have no idea how many 'features' there are on the part (grooves, flats, etc.). But a little piece of shaft with a groove or two is an hour or less job on a small lathe.

You might log onto the rec.crafts.metalworking newsgroup and post a plea for help. If you let them know that it's for restoration of a beautiful old piece, you're likely to get a volunteer, as many of these guys are into restoring old machine tools themselves. Especially if you mention a willingness to provide \$25-\$50 and a six-pack... Woudn't surprise me if you found someone in your area and struck up a pleasant and valuable friendship. It can be -real- handy to have an ace metalworker around, if you're into restoring things...

Gear is a different story. Brass gears can probably be straightened on a press. Cast gears will probably crack, although solder/weld/epoxy may provide acceptable repair. Some clockmakers hang out on the metal NG also, and they cut gears all the time that I'd never even attempt. Worth asking about.

Good luck,

Richard

Richard Hager

+ Ah-ha! Design Group, Inc.

-

+ Precision CNC Technology, since 1991 -  
+ 612-641-1797, Fax: 612-641-8681 -  
+ "I just like to build stuff" So... -  
+ for CNC info, don't email me, call -  
+ or email Ah-ha! directly. Thanks! -  
+ [www.gdic.com/ahha](http://www.gdic.com/ahha) email: [ahha@gdic.com](mailto:ahha@gdic.com) -